

Technology Acronyms

SSWPS Soft-Sided Waste Packaging System

RUCS Remote Underwater Characterization System

LPA Lead Paint Analyzer

Aly Anal Alloy Analyzer

Spectro Xepos PCB Analyzer

Excel Automatic Locking Scaffolding

Paint Scaler Paint Scaler

SAMS Surveillance And Monitoring System

ISUGS In-Situ Underwater Gamma Spectroscopy

GLD Gamma Locating Device

GPRS Global Positioning Radiometric Scanner

IFR ISOCs for Free Release

Cu Recycle Copper Recycling

En-Vac Robotic Wall Grit Scabbler

EMR Electro-Magnetic Radiography

IID Isotopic Identification Device

Stair Climber Stair Climbing Hand Truck

Communications

- Fact sheets issued within 10 days
- Over 600 individuals notified of publishing of fact sheets
- Innovative Technology Summary Reports (ITSR)
 published within 90 days (same distribution as fact sheets)
- Web Site: http://id.inel.gov/lsddp
- Trade show booth at Spectrum '00, IDS 2000
- Videos
- CD's



Demonstration Status

- Over 300 technologies reviewed
- 141 technologies screened
- 35 technologies selected for more detailed evaluation
- 26 technologies approved for demonstration
- 14 technologies demonstrated
- 3 technologies scheduled for demonstration



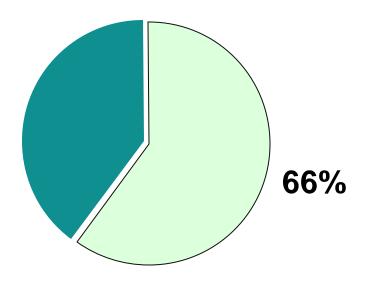
Technology Deployment Status

- 14 demonstrated
- 2 deployed 1 time
- 8 deployed multiple times
- 1 deployed at multiple sites
- 8 became baseline at INEEL

* Word is now reaching other sites



New technologies become baseline at INEEL

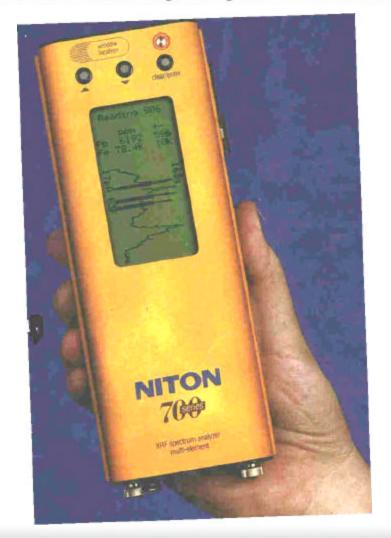


- RUCS
- Lead Paint Analyzer
- Soft-Sided Containers
- Excel Scaffolding
- SAMS
- Paint Scaler
- GPRS
- Spectro Xepos



Remote Underwater Characterization System (RUCS)





Niton[®] Lead Paint Analyzer (LPA)



Soft Sided Waste Packaging System (SSWPS)



Excel Automatic Locking Scaffold System



Surveillance and Measurement System (SAMS)



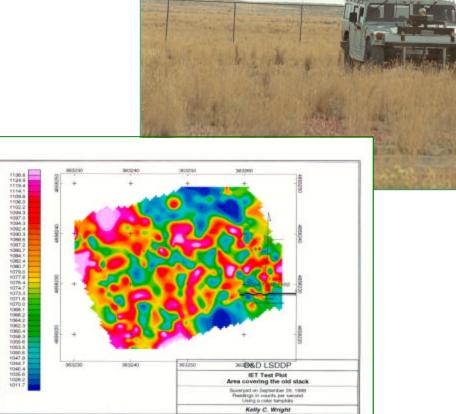


Paint Scaler-Bosch Rotary Hammer Drill





Global Positioning Radiometric Scanner

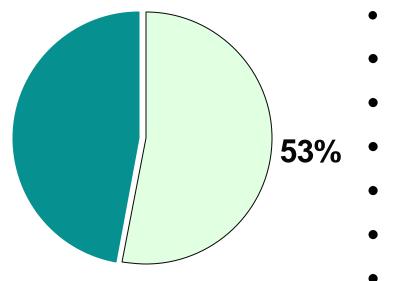




Spectro Xepos XRF Analyzer



Non-D&D Industry Technologies



- Soft Sided Containers Maritime Shipping
- Paint Scaler

Construction

• En-Vac

- DOD
- Spectro Xepos

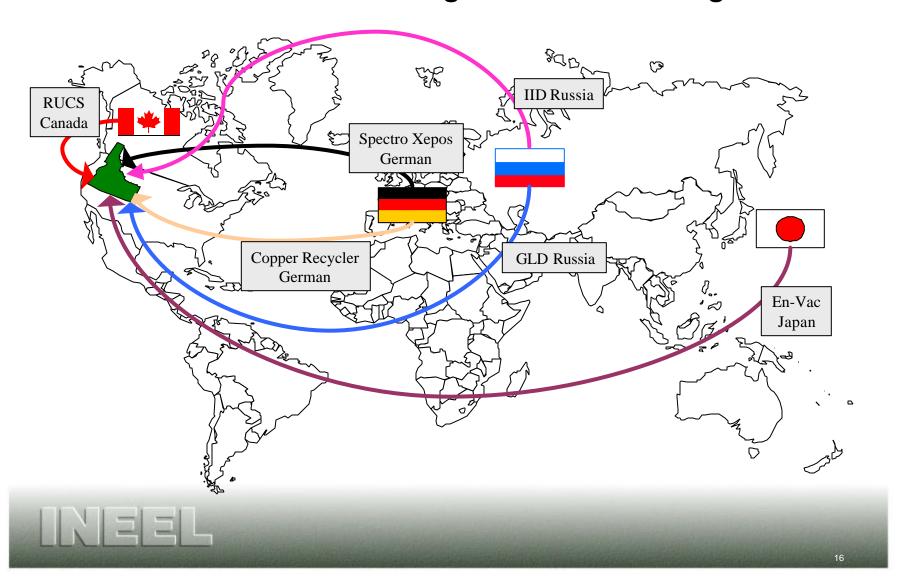
Excel Scaffolding

Environmental

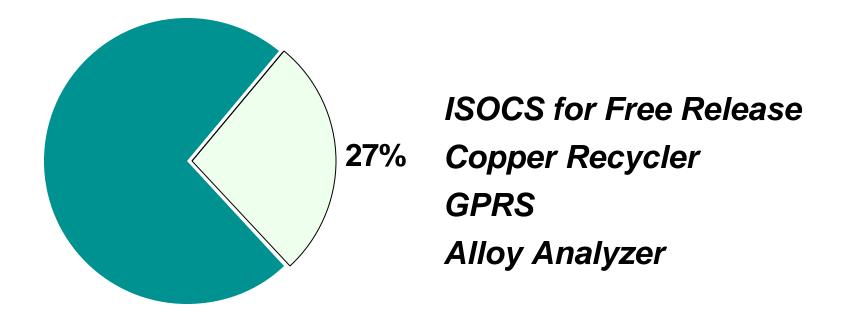
- EMR
- Lead Paint Analyzer Housing/EPA
- Copper Recycling Commercial Utilities

IKEEL

35% of Demonstrated Technologies are from Foreign Countries

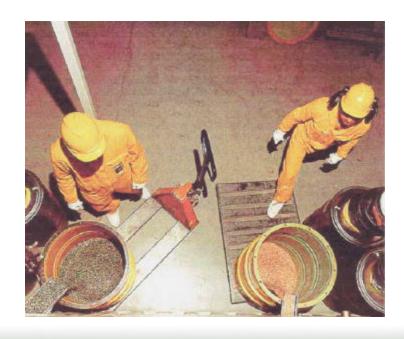


Recycle/re-use Technologies



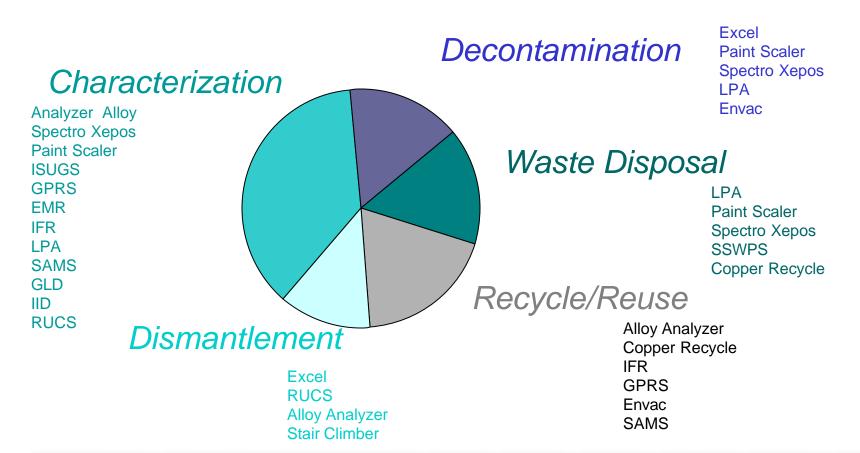


Copper Recycler





Technologies by D&D Activity



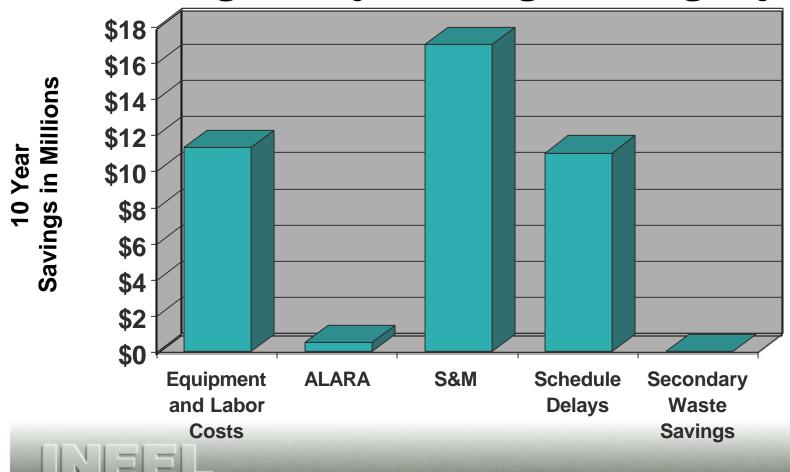


How INEEL LSDDP affected INEEL needs

- 19 needs at start of program
- 21 new needs added since startup
- 16 needs have been removed or modified as a result of these new technologies

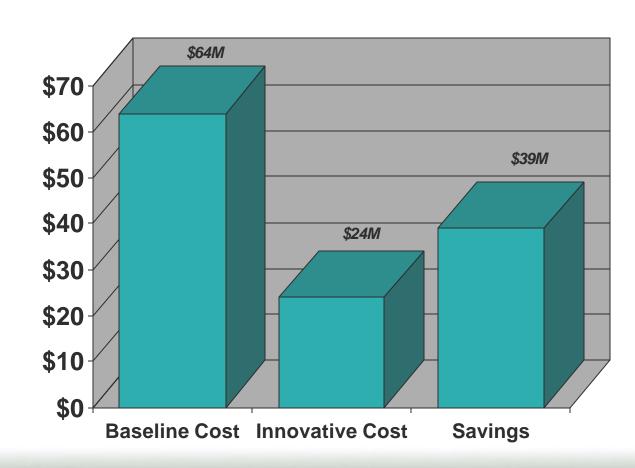


Cost savings associated with new technologies by savings category



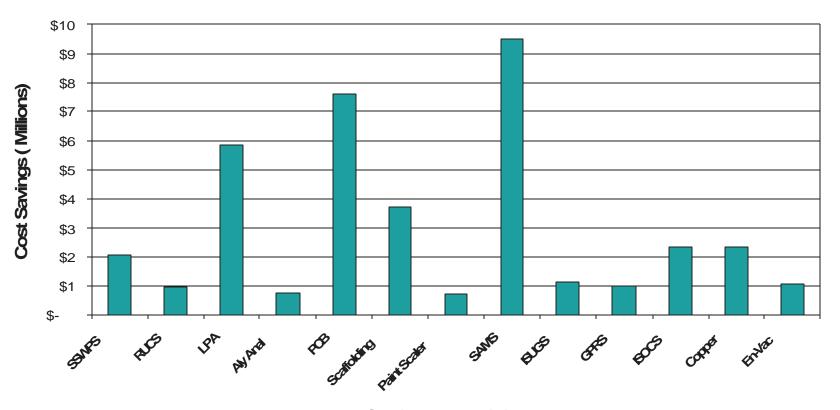
10-Year Projected Savings

Cost and Savings in Millions





10 Year Cost Savings for Individual Technologies



Total Savings 39 Million











Conclusions

- INEEL LSDDP has been very successful
- It helped accomplish technology/operation integration
- It removes needs from our STCG needs list
- It has made D&D operations safer, faster, and less expensive
- It has changed the way we do D&D at the INEEL

